

## SEQUENCE LISTING

<110> Cohen, David I.  
 <120> Tat-based Vaccine Compositions and Methods of Making and Using Same  
 <130> 51311-00008  
 <150> 60/553,733  
 <151> 2004-03-16  
 <150> 10/456865  
 <151> 2003-06-06  
 <150> 09/636057  
 <151> 2000-08-08  
 <160> 11  
 <170> PatentIn version 3.2  
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 <213> Human immunodeficiency virus type 1  
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 Gln Pro Lys Thr Ala Cys Thr Thr Cys Tyr Cys Lys Lys Cys Cys Phe  
 20 25 30  
 His Cys Gln Val Cys Phe Thr Lys Lys Ala Leu Gly Ile Ser Tyr Gly  
 35 40 45  
 Arg Lys Lys Arg Arg Gln Arg Arg Arg Ala Pro Glu Asp Ser Gln Thr  
 50 55 60  
 His Gln Val Ser Pro Pro Lys Gln Pro Ala Pro Gln Phe Arg Gly Asp  
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 Thr His Pro Val Asp  
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 aaggccttgg gcatcagcta cggccgcaag aagcgccggc agcgccgccg ggcccctgag 180

gacagccaga cccaccaggt gagccctccc aagcagcccg ctccacagtt ccgcgGcgac 240  
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Lys

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Gln Pro Lys Val Pro  
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Cys Thr Thr Cys Tyr Cys Lys Lys Cys Cys Phe His Cys Gln Val Cys  
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&lt;211&gt; 50

&lt;212&gt; DNA

&lt;213&gt; Human immunodeficiency virus type 1

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&lt;210&gt; 9

&lt;211&gt; 63

&lt;212&gt; DNA

&lt;213&gt; Mus musculus

&lt;400&gt; 9

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ccc

63

&lt;210&gt; 10

&lt;211&gt; 33

&lt;212&gt; DNA

&lt;213&gt; Simian immunodeficiency virus

&lt;400&gt; 10

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&lt;212&gt; PRT

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&lt;220&gt;

&lt;223&gt; Modified immunostimulatory Tat

&lt;400&gt; 11

Met Glu Pro Ser Asn Glu Arg Ser Ser Cys Glu Leu Glu Val Pro Lys  
 1 5 10 15

Thr Ala Cys Thr Thr Cys Tyr Cys Lys Lys Cys Cys Phe His Cys Gln  
 20 25 30

Val Cys Phe Thr Lys Lys Ala Leu Gly Ile Ser Tyr Gly Arg Lys Lys  
 35 40 45

Arg Arg Gln Arg Arg Arg Ala Pro Glu Asp Ser Gln Thr His Gln Val  
 50 55 60

Ser Pro Pro Lys Gln Pro Ala Pro Gln Phe Arg Gly Asp Pro Thr Gly  
 65 70 75 80

Pro Lys Glu Ser Lys Lys Lys Val Glu Arg Glu Thr Glu Thr His Pro  
 85 90 95

val Asp